SCHWEGMAN □ LUNDBERG □ WOESSNER □ KLUTH

United States Patent Application combined declaration and power of attorney

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ISOLATION OF LUTEIN FROM ALFALFA**.

The specification of which was filed on October 29, 2003 as application serial no. 10/696730.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number

Filing Date

60/452565

March 7, 2003

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number

Filing Date

Status

10/688776

October 17, 2003

Pending

Attorney Docket No.: 1804.004US1

Serial No. 10/696730 Filing Date: October 29, 2003

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Gorrie, Gregory J.	Reg. No. 36,530	Newtson, Ruth H.	Reg. No. 26,657
Arora, Suneel	Reg. No. 42,267	Greaves, John N.	Reg. No. 40,362	Nielsen, Walter W.	Reg. No. 25,539
Beekman, Marvin L.	Reg. No. 38,377	Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg. No. 35,635
Bianchi, Timothy E.	Reg. No. 39,610	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Parker, J. K.	Reg. No. 33,024
Billion, Richard E.	Reg. No. 32,836	Jurkovich, Patti J.	Reg. No. 44,813	Peacock, Gregg A.	Reg. No. 45,001
Black, David W.	Reg. No. 42,331	Kalis, Janal M.	Reg. No. 37,650	Perdok, Monique M.	Reg. No. 42,989
Bohanek, Bob	Reg. No. 52,627	Klima-Silberg, Catherine I.	Reg. No. 40,052	Peret, Andrew R.	Reg. No. 41,246
Brennan, Thomas F.	Reg. No. 35,075	Kluth, Daniel J.	Reg. No. 32,146	Peterson, David C.	Reg. No. 47,857
Chadwick, Robin A.	Reg. No. 36,477	Lacy, Rodney L.	Reg. No. 41,136	Price, Lucinda G.	Reg. No. 42,270
Clark, Barbara J.	Reg. No. 38,107	Lundberg, Steven W.	Reg. No. 30,568	Prout, William F.	Reg. No. 33,995
Clise, Timothy B.	Reg. No. 40,957	Maki, Peter C.	Reg. No. 42,832	Schumm, Sherry W.	Reg. No. 39,422
Cochran, David R.	Reg. No. 46,632	Malen, Peter L.	Reg. No. 44,894	Schwegman, Micheal L.	Reg. No. 25,816
Dahl, John M.	Reg. No. 44,639	Mates, Robert E.	Reg. No. 35,271	Speier, Gary J.	Reg. No. 45,458
DeLizio, Andrew	Reg. No. 52,806	McCrackin, Ann M.	Reg. No. 42,858	Steffey, Charles E.	Reg. No. 25,179
Drake, Eduardo E.	Reg. No. 40,594	Mehrle, Joseph P.	Reg. No. 45,535	Tong, Viet V.	Reg. No. 45,416
Embretson, Janet E.	Reg. No. 39,665	Muller, Mark V.	Reg. No. 37,509	Woessner, Warren D.	Reg. No. 30,440

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor Citizenship: Post Office Address:	number 1: Mark Hoffman United States of America 17150 Jackrabbit Path Lakeville, MN 55044	Residence: Lakeville, MN	
Signature:		Date:	
-	Mark Hoffman		
-			•

 \underline{X} Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 1804.004US1 Serial No. 10/696730 Filing Date: October 29, 2003			P
Full Name of joint inventor number Citizenship: Post Office Address:	United States of America 2500 Queensland Lang No.	Residence: Plymouth, MN	
Signature: David	Plymouth, MN 55447 Baugh	Date: 3-29-04	
Full Name of joint inventor num Citizenship: Post Office Address:	ber 3: Michael Ahern United States of America 304 Hamline Ave. S St. Paul, MN 55105	Residence: St. Paul, MN	
Signature: Micha	ael Ahern	Date: 3-22-04	
Full Name of joint inventor num Citizenship: Post Office Address:	ber 4: <u>David Walsh</u> United States of America 5223 Old Washington Course Hollywood, SC 29449	Residence: Hollywood, SC	
Signature:		Date:	
David	l Walsh		

§ 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

ANG 3 0 2004 CHWEGMAN
LUNDBERG WOESSNER KLUTH

Attorney Docket No.1804.004US1

United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ISOLATION OF LUTEIN FROM ALFALFA**.

The specification of which was filed on October 29, 2003 as application serial no. 10/696730.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number

Filing Date
March 7, 2003

60/452565

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number

Filing Date
October 17, 2003

Status Pending

10/688776

Attorney Docket No.: 1804.004US1

Serial No. 10/696730 Filing Date: October 29, 2003 Page 2 of 4

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael	Reg. No. 24,916	Gorrie, Gregory J.	Reg. No. 36,530	Newtson, Ruth H.	Rcg. No. 26,657
Arora, Suneel	Reg. No. 42,267	Greaves, John N.	Reg. No. 40,362	Nielsen, Walter W.	Reg. No. 25,539
Beckman, Marvin L.	Reg. No. 38,377	Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg. No. 35,635
Bianchi, Timothy E.	Reg. No. 39,610	Jackson Hucbsch, Katharine A.	Reg. No. 47,670	Parker, J. K.	Reg. No. 33,024
Billion, Richard E.	Reg. No. 32,836	Jurkovich, Patti J.	Reg. No. 44,813	Peacock, Gregg A.	Reg. No. 45,001
Black, David W.	Reg. No. 42,331	Kalis, Janal M.	Reg. No. 37,650	Perdok, Monique M.	Reg. No. 42,989
Bohanek, Bob	Reg. No. 52,627	Klima-Silberg, Catherine L	Reg. No. 40,052	Peret, Andrew R.	Reg. No. 41,246
Brennan, Thomas F.	Reg. No. 35,075	Kluth, Daniel J.	Reg. No. 32,146	Peterson, David C.	Reg. No. 47,857
Chadwick, Robin A.	Reg. No. 36,477	Lacy, Rodney L.	Reg. No. 41,136	Price, Lucinda G.	Reg. No. 42,270
Clark, Barbara J.	Reg. No. 38,107	Lundberg, Steven W.	Reg. No. 30,568	Prout, William F.	Reg. No. 33,995
Clise, Timothy B.	Reg. No. 40,957	Maki, Peter C.	Reg. No. 42,832	Schumm, Sherry W.	Reg. No. 39,422
Cochran, David R.	Reg. No. 46,632	Malen, Peter L.	Reg. No. 44,894.	Schwegman, Micheal L.	Reg. No. 25,816
Dahl, John M.	Reg. No. 44,639	Mates, Robert E.	Reg. No. 35,271	Speier, Gary J.	Reg. No. 45,458
DeLizio, Andrew	Reg. No. 52,806	McCrackin, Ann M.	Reg. No. 42,858	Stoffey, Charles E.	Reg. No. 25,179
Drake, Eduardo E.	Reg. No. 40,594	Mehrle, Joseph P.	Reg. No. 45,535	Tong, Vict V.	Reg. No. 45,416
Embretson, Janet E.	Reg. No. 39,665	Muller, Mark V.	Reg. No. 37,509	Woessner, Warren D.	Reg. No. 30,440
Forrest, Bradley A.	Reg. No. 30,837	Nelson, A. James	Reg. No. 28,650	•	•

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1: Mark Hoffman
Citizenship: United States of America Residence: Lakeville, MN
Post Office Address: 17150 Jackrabbit Path

Lakeville, MN 55044

Signature: Mark Hoffman

Date: 4/27/04

X Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 1804.004US1 Serial No. 10/696730 Filing Date: October 29, 2003			Page 3 of 4
Full Name of joint inventor nur Citizenship: Post Office Address:		Residence: Plymouth, MN	
Signature: Dav	rid Baugh	Date:	
Full Name of joint inventor nu Citizenship:	mber 3 : <u>Michael Ahern</u> United States of America	Residence: St. Paul, MN	_
	304 Hamline Ave. S St. Paul, MN 55105	residence. St. Faut, Min	
Signature:		Date:	
Full Name of joint inventor nur Citizenshîp: Post Office Address:	United States of America 5223 Old Washington Course	Residence: Hollywood, SC	_
Signature:	Hollywood, SC 29449	Date:	·
Dav	id Walsh		

Page 4 of 4

- § 1.56 Duty to disclose information material to patentability.
- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN □ LUNDBERG □ WOESSNER □ KLUTH

United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ISOLATION OF LUTEIN FROM ALFALFA.

The specification of which was filed on October 29, 2003 as application serial no. 10/696730.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number 60/452565

Filing Date March 7, 2003

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number

Filing Date October 17, 2003 Pending

10/688776

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin, J. Michael Arora, Suneel Beekman, Marvin L. Bianchi, Timothy E. Billion, Richard E. Black, David W. Bohanek, Bob Brennan, Thomas F. Chadwick, Robin A. Clark, Barbara J. Clise, Timothy B. Cochran, David R. Dahl, John M. DeLizio, Andrew	Reg. No. 24,916 Reg. No. 42,267 Reg. No. 38,377 Reg. No. 39,610 Reg. No. 32,836 Reg. No. 42,331 Reg. No. 52,627 Reg. No. 35,075 Reg. No. 36,477 Reg. No. 38,107 Reg. No. 40,957 Reg. No. 46,632 Reg. No. 44,639 Reg. No. 52,806	Gorrie, Gregory J. Greaves, John N. Harris, Robert J. Jackson Huebsch, Katharine A. Jurkovich, Patti J. Kalis, Janal M. Klima-Silberg, Catherine I. Kluth, Daniel J. Lacy, Rodney L. Lundberg, Steven W. Maki, Peter C. Malen, Peter L. Mates, Robert E. McCrackin, Ann M.	Reg. No. 36,530 Reg. No. 40,362 Reg. No. 37,346 Reg. No. 47,670 Reg. No. 44,813 Reg. No. 37,650 Reg. No. 40,052 Reg. No. 40,052 Reg. No. 30,146 Reg. No. 30,568 Reg. No. 42,832 Reg. No. 44,894 Reg. No. 44,894 Reg. No. 35,271 Reg. No. 42,858	Newtson, Ruth H. Nielsen, Walter W. Padys, Danny J. Parker, J. K. Peacock, Gregg A. Perdok, Monique M. Peret, Andrew R. Peterson, David C. Price, Lucinda G. Prout, William F. Schumm, Sherry W. Schwegman, Micheal L. Speier, Gary J. Steffey, Charles E.	Reg. No. 26,657 Reg. No. 25,539 Reg. No. 35,635 Reg. No. 33,024 Reg. No. 45,001 Reg. No. 42,989 Reg. No. 41,246 Reg. No. 47,857 Reg. No. 42,270 Reg. No. 33,995 Reg. No. 39,422 Reg. No. 25,816 Reg. No. 25,816 Reg. No. 25,179
Dahl, John M.	Reg. No. 44,639	•			

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor Citizenship: Post Office Address:	number 1: Mark Hoffman United States of America 17150 Jackrabbit Path Lakeville, MN 55044	Residence: Lakeville, MN	
Signature:		Date:	
.]	Mark Hoffman		
-			

 $\underline{\mathbf{X}}$ Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 1804.004US1 Serial No. 10/696730 Filing Date: October 29, 2003			Pa
Full Name of joint inventor nun Citizenship: Post Office Address:	David Baugh United States of America 2500 Queensland Lane No. Plymouth, MN 55447	Residence: Plymouth, MN	
Signature:		Date:	
Davi	d Baugh		*
``,			
•			
Full Name of joint inventor num Citizenship: Post Office Address:	Michael Ahern United States of America 304 Hamline Ave. S St. Paul, MN 55105	Residence: St. Paul, MN	
Signature:	·	Date:	
	nael Ahern		
Full Name of joint inventor num Citizenship: Post Office Address:	nber 4: <u>David Walsh</u> United States of America 5223 Old Washington Course Hollywood, SC 29449	Residence: Hollywood, SC	
Signature: Davi	E. Wolsh	Date: 4/20/0	د/

§ 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.